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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/038,626	01/08/2002	Alison L. Sparks	4085-251-27	9254
7590 09/15/2004 Supervisor, Patent Prosecution Services PIPER MARBURY RUDNICK & WOLFE LLP 1200 Nineteenth Street, N.W. Washington, DC 20036-2412			EXAMINER	
			CEPERLEY, MARY	
			ART UNIT	PAPER NUMBER
			1641	
			DATE MAILED: 09/15/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/038,626	SPARKS, ALISON L.				
Office Action Summary	Examiner	Art Unit				
· · · · · · · · · · · · · · · · · · ·	Mary (Molly) E. Ceperley	1641				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address						
Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.12 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
Status		,				
1) Responsive to communication(s) filed on	_•					
, <del></del> ·	action is non-final.	1				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) Claim(s) 1-52 is/are pending in the application 4a) Of the above claim(s) is/are withdray 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 1-52 are subject to restriction and/or	wn from consideration.					
Application Papers						
9) The specification is objected to by the Examiner.						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:  1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Bureat * See the attached detailed Office action for a list	ts have been received. ts have been received in Applicat rity documents have been receiv u (PCT Rule 17.2(a)).	ion No ed in this National Stage				
Attachment(s)						
Notice of References Cited (PTO-892)     Notice of Draftsperson's Patent Drawing Review (PTO-948)     Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal I 6) Other:					

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- 1) Restriction to one of the following inventions is required under 35 U.S.C. 121:
- Claims 8-15, drawn to dendrimer conjugates with adamantyl dioxetane compounds, classified in class 549, subclass 332.
- II. Claims 16, 17 and 20-25, drawn to dendrimer conjugates with acridinium compounds, classified in class 546, subclasses 102 and 104.
- III. Claims 18 and 19, drawn to dendrimer conjugates with bisimidazole compounds, classified in class 548, subclass 156.
- IV. Claims 34-45, drawn to a kit comprised of a dendrimer and at least one enzymatically active chemiluminescent substrate moiety <u>wherein there is no requirement that the dendrimer</u> and chemiluminescent substrate moiety be conjugated to one another, class 436, subclass 546.
- 2) The inventions are distinct, each from the other because of the following reasons:
- a) Inventions I-IV are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case the inventions of I-III are comprised of compounds which have different chemical structures and function differently depending on the structure of the conjugate.
- b) Invention IV is unrelated to Inventions I-III for the reason that, while Inventions I-III are directed to dendrimer-dye <u>conjugates</u>, the kit of Invention IV is a <u>two component</u> kit comprised of a dendrimer and a chemiluminescent substrate moiety.
- 3) Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter requiring different fields of search and different patentability considerations, restriction for examination purposes as indicated is proper.

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among the linked inventions is subject to the nonallowance of the linking claim(s). Upon the allowance of the linking claim(s), the restriction requirement as to the linked inventions shall be withdrawn and any claim(s) depending from or otherwise including all the limitations of the allowable linking claim(s) will be entitled to examination in the instant application. Applicant(s) are advised that if any such claim(s) depending from or including all the limitations of the allowable linking claim(s) is/are presented in a continuation or divisional application, the claims of the continuation or divisional application may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application. Where a restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. *In re Ziegler*, 44 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also

- 5) This application contains claims directed to patentably distinct species of the claimed invention as defined by the combination of variables "dendrimer", "linker" and "enzymatically activated chemiluminescent substrate".
  - a) For the election of any one of Inventions I-III, applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. An election of species must specifically designate <u>the chemical structure</u> of the elected conjugate comprised of a specific "dendrimer", a specific "linker" and a specific "enzymatically activated chemiluminescent substrate".
  - **b)** For the election of Invention IV, applicant must elect both a species of "dendrimer" and a species of "enzymatically active chemiluminescent substrate moiety".
- **6)** Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon,

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including any claims subsequently added. An argument that a claim is allowable or that all claims are

generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to

additional species which are written in dependent form or otherwise include all the limitations of an

allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant

must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant

should submit evidence or identify such evidence now of record showing the species to be obvious

variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one

of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection

under 35 U.S.C. 103(a) of the other invention.

7) Any inquiry concerning this communication or earlier communications from the examiner

should be directed to Mary (Molly) E. Ceperley whose telephone number is (571) 272-0813. The

examiner can normally be reached on 7:30 a.m. - 4:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor,

Long V. Le can be reached on (571) 272-0823. The fax phone number for the organization where this

application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application

Information Retrieval (PAIR) system. Status information for published applications may be obtained from

either Private PAIR or Public PAIR. Status information for unpublished applications is available through

Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at

866-217-9197 (toll-free).

September 14, 2004

Mary E. Ceperley Mary (Molly) E. Ceperley

Primary Examiner

A.U.1641